BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Improvements to General / Public Toilet and Septage Maintenance Ward No. 10 (Doddabommasandra).

Estimate Cost Rs. 250000.00

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 10-3 : Providing and laying **integral cement based waterproofing treatment** including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treawalls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. **Page No. 66, Item No. 10.2 of PWD SR 2016-17**	Sqm							
			1	3.10	5.20		16.12		
							16.12	976.32	**15738.00**
	Basic Rate	904.00							
	Area Weightage @ 8%	72.32							
	Total	**976.32**							
	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)**	Sqm							
	Inside wall Toilet 1		2	2.20		2.50	11.00		
			2	2.20		2.50	11.00		
			2	1.80		2.50	9.00		
	Toilet 2		2	2.20		2.50	11.00		
			2	2.20		2.50	11.00		
			2	1.80		2.50	9.00		
							62.00		
	Deductions - For door		2	0.90		2.00	3.60		
	door		2	0.75		2.00	3.00		
							6.60		
	Basic Rate	208.00					**55.40**	224.64	**12445.00**
	Area Weightage @ 8%	16.64							
	Total	**224.64**							
3	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**	Sqm							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1	3.10	5.50		17.05		
		2	3.10	0.20		1.24		
		2	5.50	0.20		2.20		
						20.49	249.48	**5112.00**
Basic Rate	231.00							
Area Weightage @ 8%	18.48							
Total	**249.48**							
plying and fixing pressed steel door frames size x65 mm manufactured from 1.25mm thick carbon l or imported steel strips with mitred joints of 900 door openings and shutters made out of seasoned ne wood, styles of 30 mm, thick with lock rail of mm, width, top and side rails of 100 mm. width bottom rails of 250 mm width and panel filling with mm thick particle board of exterior grade bonded h phenol formal dehide resin and the shutter shall rot proof, vermin proof, heat resistant guaranteed ainst shrinkage, warpage and such other defects for period of 3 years. This shall be as per approved awings, specification and direction including cost of nveyance, manufacturing, painting with enamel paint coats over primer coat, cost of labour for all items of ork, machinery, equipment and all other incidental harges with all lead, lift, loading and unloading etc., omplete. The Hollow portion of the frame to be filled ith cement concrete 1:2:4. **Page No. 39 / Item No. 7.26, PWD SR 2016-17**	Sqm							
		2	0.75		2.10	3.15		
		2	0.90		2.10	3.78		
						6.93	3780.00	**26195.00**
Basic Rate	3500.00							
Area Weightage @ 8%	280.00							
Total	**3780.00**							
"Providing and fixing cold rolled prepainted steel windows of IS standards, made out of 0.6mm thick deep drawing quality galvanised on both sides 120gms/sq.mtr. Primer coat upto 5 microns with thermosetting epoxy resin and finish painted with a polyester based paint 20 microns thick. The size of profiles is approximately 46 x 52mm for external frames, 46x46mm section for shutters, 46x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The section should be cut to length joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fixed with nickle plated self taping screws.The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and powder coated, receiver made out of glass filled nylone and hinges made out of CRCA powder coated. 4mm thick glass should be fixed with EPDM gaskets. Guard bars fabricated out of 10mm square bright bars shall be fixed horizontally at 125mm C/C by rivetting to the external frame. The above frames are fixed to the concrete / masonry walls by means of self expanding screws." with 4mm tinted glass with gaurd bars	Sqm						
Ventilator		2	0.90		0.60	1.08		
		2	0.75		0.60	0.90		

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		2	0.45		0.60	0.54		
Basic Rate	5618.00					**2.52**	6067.44	**15290.00**
Area Weightage @ 8%	449.44							
Total	**6067.44**							
B 15-14.1 : Providing and **applying two coats oil bound washable distemper** of approved d and shade on wall surface including priming coat distemper primer after throughly brooming the ace free from mortar drops and other foreign ter including preparing the surface even and sand er smooth, cost of materials, labour, complete as specifications. **Page No. 117 / Item No. 15.49.1, D SR 2016-17**	Sqm							
		Qty Vide Item No. 2				**55.40**	76.68	**4248.00**
Basic Rate	71.00							
Area Weightage @ 8%	5.68							
Total	**76.68**							
SRB 15-16.1 : Providing and finishing external walls two coats with waterproof cement paint of approved and and shade to give an even shade after throughly ooming the surface to remove all dirt and loose owdered material, free from mortar drops and other oreign matter cost of materials, labour, complete as er specifications. - with primer. **Page No. 117 / Item o. 15.53.2, SR 2016-17**	Sqm							
		Qty Vide Item No. 3				**47.51**	89.04	**4230.00**
Basic Rate	84.00							
Area Weightage @ 6%	5.04							
Total	**89.04**							
KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.1 / PWD SR 2016-17**	pan							
		3				**3.00**	3661.24	**10984.00**
Basic Rate	3454.00							
Area Weightage @ 6%	207.24							
Total	**3661.24**							
2 KSRB 11-8.2 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 340x410x265mm in the range of two with 7.5 litre P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **page No. 79, Item No. 12.12, PWD SR 2016-17**	Unit							
		3				**3.00**	4239.00	**12717.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Basic Rate	3925.00							
Area Weightage @ 8%	314.00							
Total	**4239.00**							
11-7.1 : Providing and fixing white vitreous china flat back, lipped front urinal basin of 350x350mm with 5 litres PVC automatic flushing cm, C.I / M.S brackets, standard flush pipe and brass spreaders with brass unions and G.I. nos complete painting of fittings and brackets, ing and making good the wall and floor wherever uired, including cost of materials, labour complete per specifications. Specification No. KBS 11 **Page No. 78, Item No. 12.7, PWD SR 2016-17**	Unit	3				**3.00**	3145.02	**9435.00**
Basic Rate	2967.00							
Area Weightage @ 6%	178.02							
Total	**3145.02**							
SRB 11-11.1 : Providing and fixing white vitreous hina clay, flat back wash basin size 630x450mm with pair of 15mm C.P brass pillar taps with C.I / M.S rackets, 32 mm C.P. brass waste of standard pattern, ainting of fittings and brackets, cutting and making ood the wall and floor wherever required, including ost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 80, Item No. 12.23, PWD SR 2016-17**	Unit	3				**3.00**	4196.88	**12591.00**
Basic Rate	3886.00							
Area Weightage @ 8%	310.88							
Total	**4196.88**							
Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. **(P.No. 96/I.No. 13.85.3 of CSR 2016-17)**	m	1	40.00			**40.00**	152.39	**6096.00**
Basic Rate	170.00							
Area Weightage @ 8%	13.60							
Total	**183.60**							
6 Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. **(P.No. 265 / I.No. 37.58 of PWD SR 2016-17)**	L	1	1000.00			**1000**	6.36	**6360.00**
Basic Rate	6.00							
Area Weightage @ 6%	0.36							
Total	**6.36**							

Description of item	Unit	No	L	B	D	Quantity	Rate	Amount
3-6.1-3 : Providing and fixing in position brass k of approved quality 25mm nominal bore ng cost of all materials, labour and HOM of nents with all leads complete as per cations. Specification No.KBS 13.2.2 / 13.3. .91/ I.No. 13.25 of CSR 2016-17)	Each	5				5	192.44	962.00
Basic Rate							272.00	
Area Weightage @ 8%							21.76	
Total							293.76	
B 11-18-1.1 : Providing and fixing sand cast iron waste and vent pipes 100mm dia with spun yarn ked in cement slurry and cement mortar 1:2 uding cost of materials, labour, testing complete as specifications. KBS 11-1.10 **Page No. 83, Item No. 47, PWD SR 2016-17**	m	1				12.00	760.32	9124.00
Basic Rate							704.00	
Area Weightage @ 8%							56.32	
Total							760.32	
Sub Total								249248.00
Add for unforseen and rounding off	L/S							752.00
	#NAME?						Total	250000.00

ADMINISTRATIVE APPROVAL
Accorded For Rs. Two lakhs fifty thousand
Head of A/c. mlg P-3294
Div. Ref. No. 56 Date 01/02/19
EE(BTP) 01/02

TECHNICAL SANCTION
Accorded For Rs. Two lakhs fifty thousand
Head of A/c. mlg P-3294
Div. Ref. No. 86 Date 01/02/19
EE(BTP) 01/02

cate:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per P.W.D S.R of 2016-17.
This work included under 2018-19 P-3294 14th Finance Grant.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Assistant Engineer
Ward No. 10

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division